

**PERENCANAAN ENTERPRISE ARCHITECTURE SISTEM
PERSEDIAAN DARAH MENGGUNAKAN FRAMEWORK TOGAF PADA
PALANG MERAH INDONESIA CABANG PATI**

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ABSTRAK

Pemanfaatan Sistem Informasi sangat penting dalam suatu proses bisnis karena ketika suatu perusahaan atau organisasi berkembang semakin besar dan tingkat operasionalnya semakin rumit dan kebutuhan fungsionalnya terutama pada data, teknologi dan aplikasi yang semakin besar. Palang Merah Indonesia Cabang Pati merupakan suatu organisasi dalam melayani masyarakat, belum memanfaatkan SI/TI untuk mendukung bisnisnya, seperti pelayanan masyarakat. Oleh karena itu, dibutuhkan perancangan enterprise architecture (EA) yang menghasilkan keselarasan antara SI/TI dan kebutuhan bisnis. Pada penelitian ini, perancangan enterprise architecture dibuat dengan menggunakan metode TOGAF ADM (The Open Group Architecture Framework Architecture Development Method) yang terdiri dari beberapa tahapan yaitu Preliminary, Architecture Vision, Architecture Business, Information Architecture, Architecture Technology, Opportunities and Solution, Migration Planning, Implementation Governance dan Architecture Change Management yang akan menghasilkan blueprint arsitektur bisnis, arsitektur aplikasi, arsitektur data, arsitektur teknologi, analisa gap serta implementasi untuk Palang Merah Indonesia Cabang Pati.

Kata Kunci : Enterprise Architecture, TOGAF, Architecture Development Method.

PLANNING ARCHITECTURE ENTERPRISE SYSTEM OF BLOOD SUPPLY USING FRAMEWORK TOGAF IN THE PALANG MERAH INDONESIA BRANCH PATI

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ABSTRACT

Utilization of Information Systems is very important in a business process because when a company or organization grows larger and more complex operational level and functional needs, especially on data, technology and applications are increasingly large. Indonesian Palang Merah Indonesia branch Pati is an organization in serving the community, not utilizing SI / IT to support its business, such as community service. Therefore, it is necessary to design an architecture enterprise (EA) that produces alignment between SI / IT and business needs. In this research, the design of enterprise architecture is made by using TOGAF ADM (The Open Group Architecture Framework Architecture Development Method) which consists of several stages: Preliminary, Architecture Vision, Architecture Business, Information Architecture, Architecture Technology, Opportunities and Solution, Migration Planning, Implementation Governance and Architecture Change Management that will produce blueprint business architecture, application architecture, data architecture, technology architecture, gap analysis and implementation for Palang Merah Indonesia Branch Pati.

Keyword : Enterprise Architecture, TOGAF, Architecture Development Method.